

IN THE CLAIMS

Please amend the following claims:

1 1. (Currently Amended) A heart prosthesis intended to be implanted in a patient to replace
2 the pumping activity of a heart comprising at least two compartments, substantially surrounded
3 by a house with a rigid wall and containing a number of drawing and/or pressing devices,
4 which are partly fixedly attached to said rigid-wall provided house[,,] and partly fixedly
5 attached to a flexible, elastic wall layer arranged in a respective compartment, whereby the
6 drawing and/or pressing devices are arranged to draw said elastic wall layer towards said rigid-
7 wall provided house for filling said compartments, the prosthesis also comprising two halves,
8 comprising an atrium, and ventricles ~~as compartments~~, respectively, separated by a plate with
9 at least one valve, which plate is arranged to be able to be moved between the ventricles and
10 [[the]] atriums by means of drawing and/or pressing devices arranged in said rigid wall
11 provided house.

1 2. (Currently Amended) A heart prosthesis according to claim 1, wherein [[it]] the heart
2 comprises four compartments.

1 3. (Previously Presented) A heart prosthesis according to claim 1, wherein the drawing and/or
2 pressing devices are drawing and pressing electromechanical devices, respectively, including
3 electromagnets.

1 4. (Previously Presented) A heart prosthesis according to claim 1, wherein said plate is
2 arranged to be moved by means of electromagnets or a hydraulic device arranged in said wall.

1 5. (Previously Presented) A heart prosthesis according to claim 1, wherein the drawing and/or

2 2 pressing devices are drawing, and pressing, respectively, hydraulically activated pistons.

1 1 6. (Currently Amended) A heart prosthesis according to claim 1, wherein [[it]] the heart is
2 2 arranged to be controlled digitally via [[a]] software present in a circuit board ~~in-a~~ for diastole,
3 3 [[atrium]] atrial systole, and systole ~~phase~~, respectively.

1 1 7. (Currently Amended) A heart prosthesis according to claim 1, wherein [[it]] the heart is
2 2 supplied with energy from one or more DC batteries.